ABSTRACT OF THE DISCLOSURE

A method of identifying devices using an IPv6 address and a computer readable recording medium on which a data structure formed according to an IPv6 address for identifying devices is recorded, are provided. The method of identifying devices using an IPv6 address comprises identifying the devices using device ID information for identifying the types of devices recorded in an area, excluding a company ID area and a serial number area of an interface ID area, using an EUI-64 ID format.